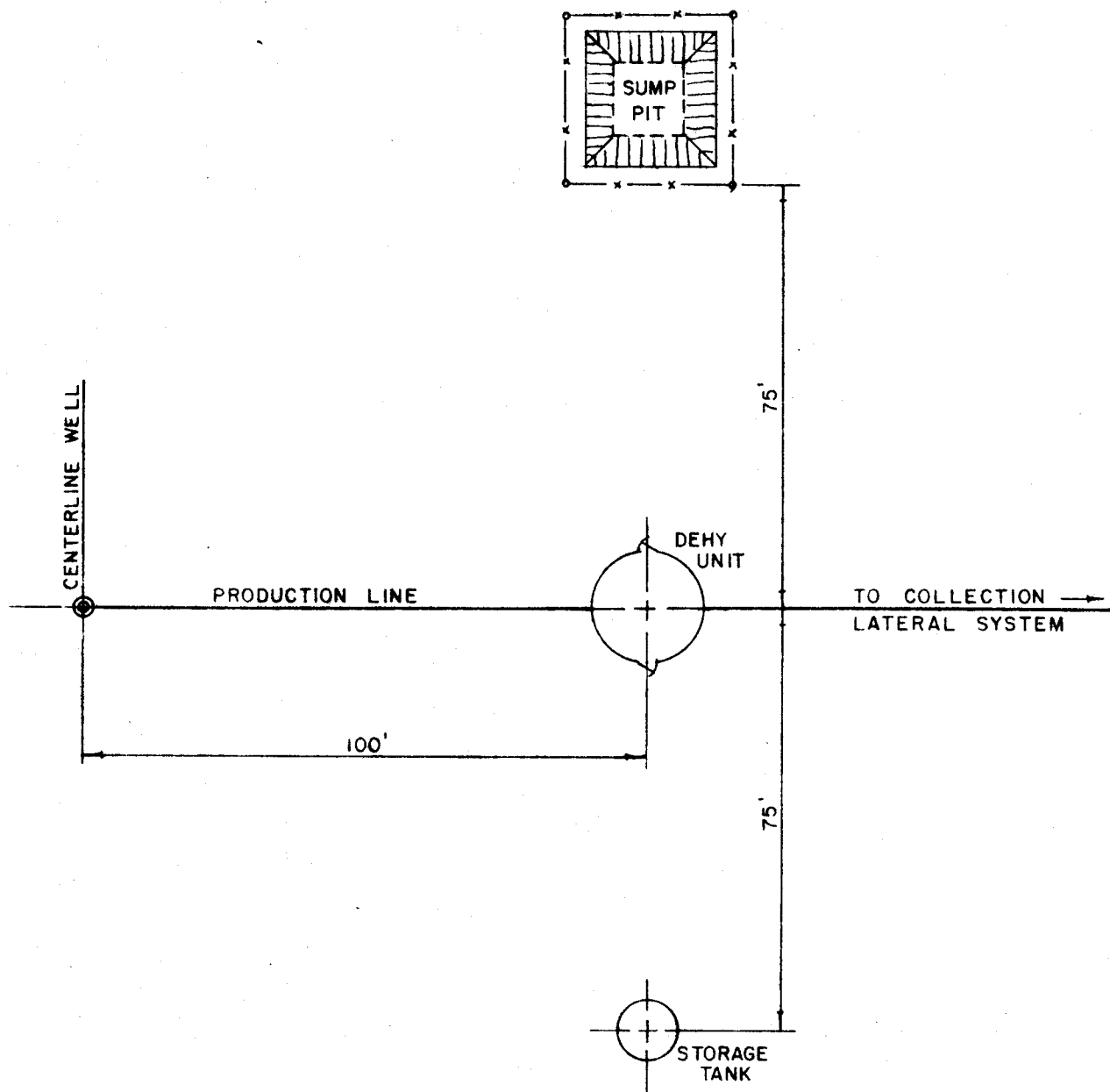

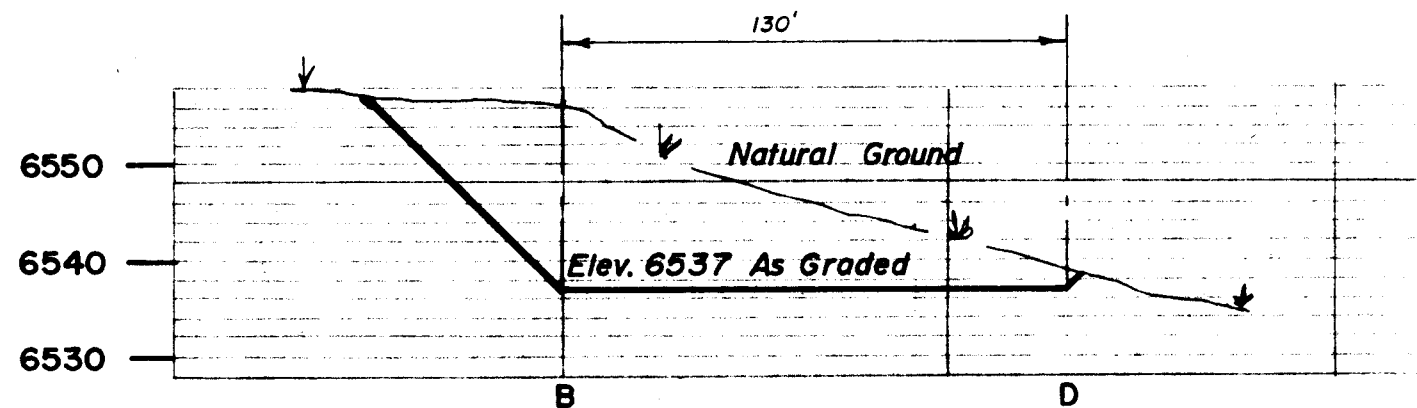
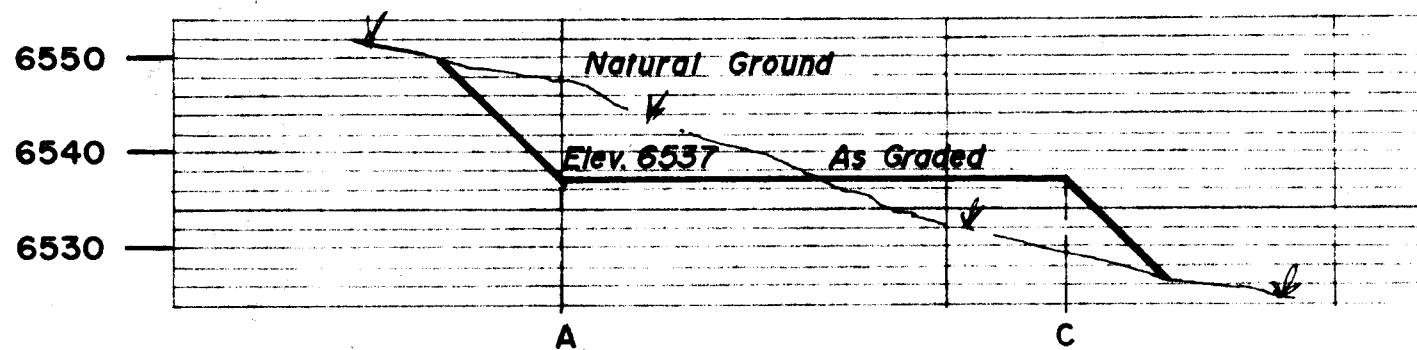
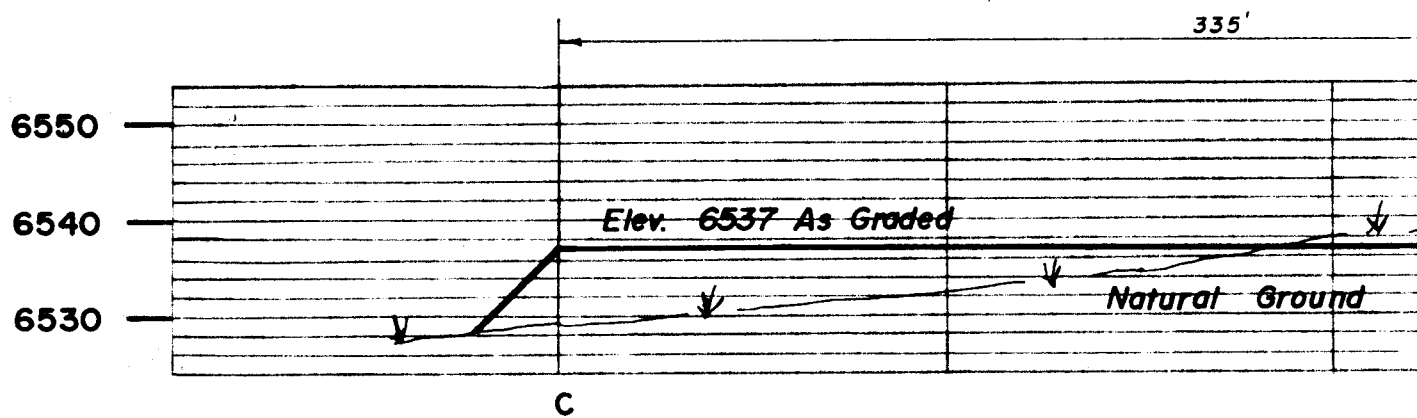
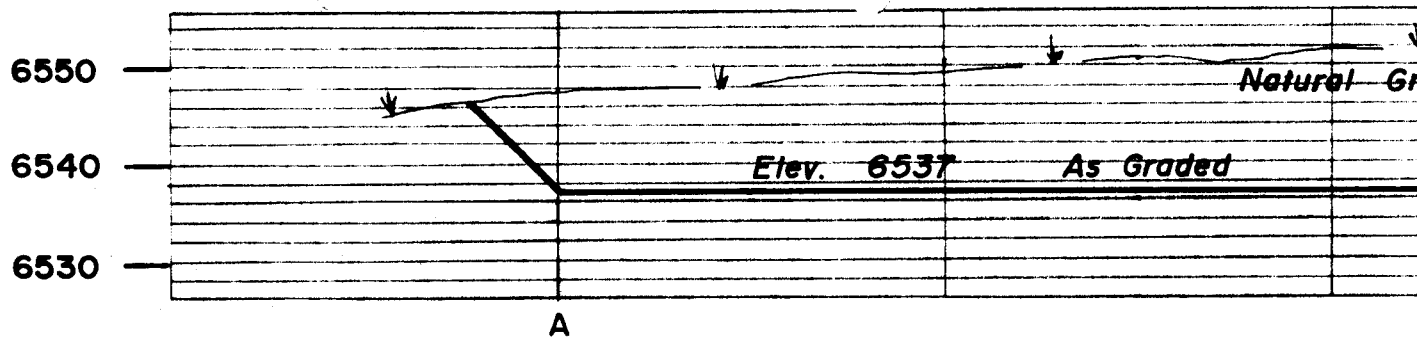


3-8-77 Footage location change to: 200' FNL - 2342' FUL
5/29/77 - 51 gal change



REVISIONS				 MOUNTAIN FUEL RESOURCES, INC.	
NO.	DESCRIPTION	DATE	BY		
				TYPICAL PRODUCTION FACILITIES LAYOUT FOR CLAY BASIN UNIT WELL N^o 37-S	
				DRAWN: 7/9/76 FJC	SCALE: NONE
				CHECKED: SMF	DRWG. NO. M-12205
				APPROVED:	



PROFILE SECTION—PROPOSED WELL LOCATION

Scale
HORIZ. 1" = 50'
VERT. 1" = 20'

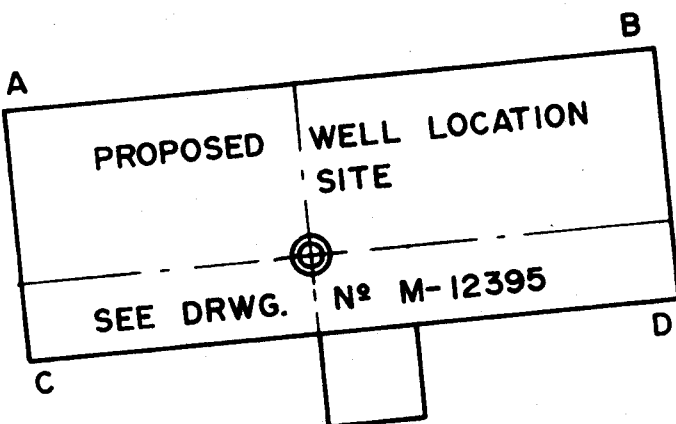
ural Ground

B


ound

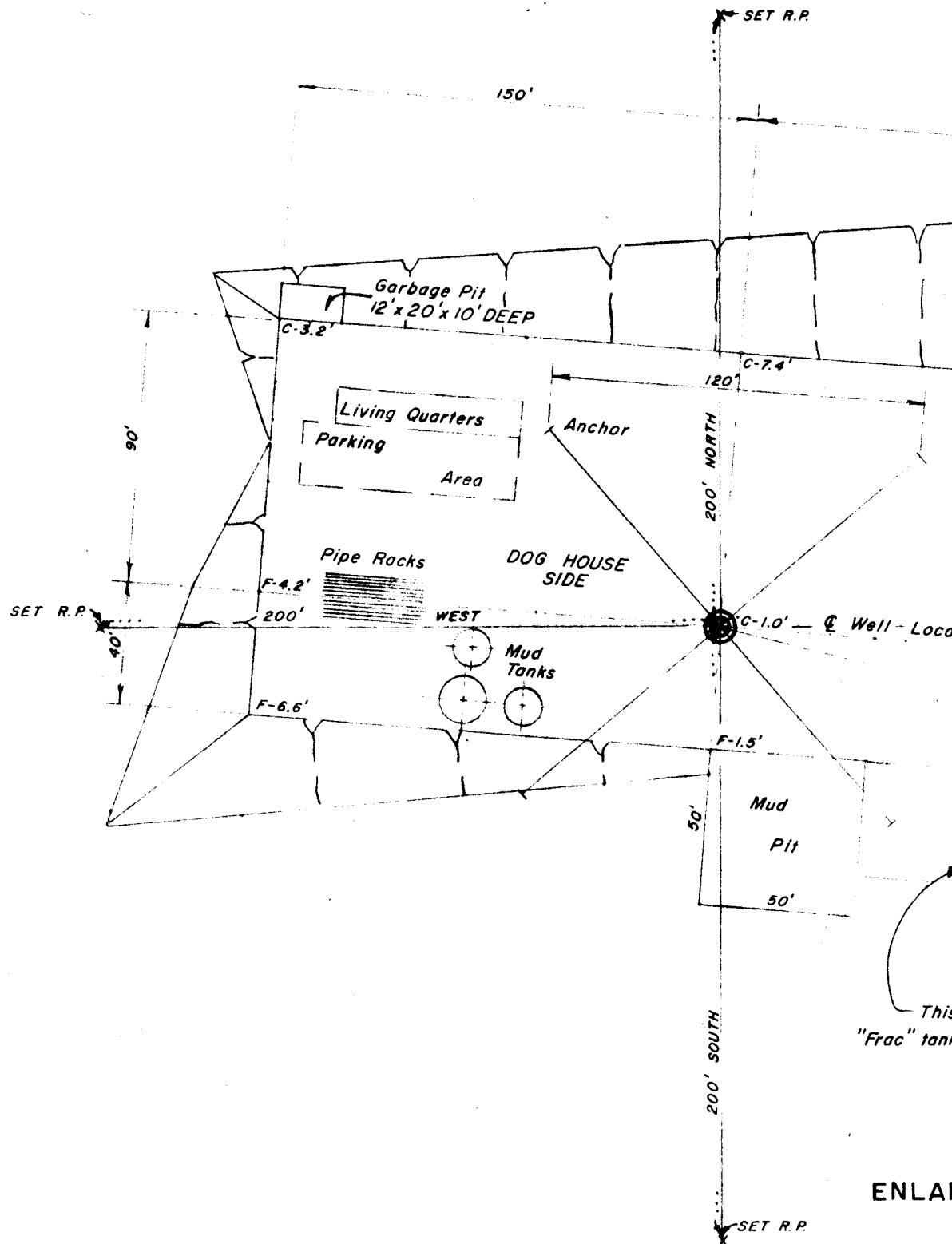
D

LOCATION

[illegible]

KEY MAP
Scale 1" = 100'

REVISIONS				 MOUNTAIN FUEL RESOURCES, INC.
NO.	DESCRIPTION	DATE	BY	
				PROFILES <i>FOR</i> CLAY BASIN UNIT WELL N° 37-S WELL LOCATION SITE
		DRAWN: 2/1/77 C.R.W.		SCALE: AS NOTED
		CHECKED: Gel	SMF	DRWG. NO. M-12396
		APPROVED: RWH		2/2



GENERAL NOTES:

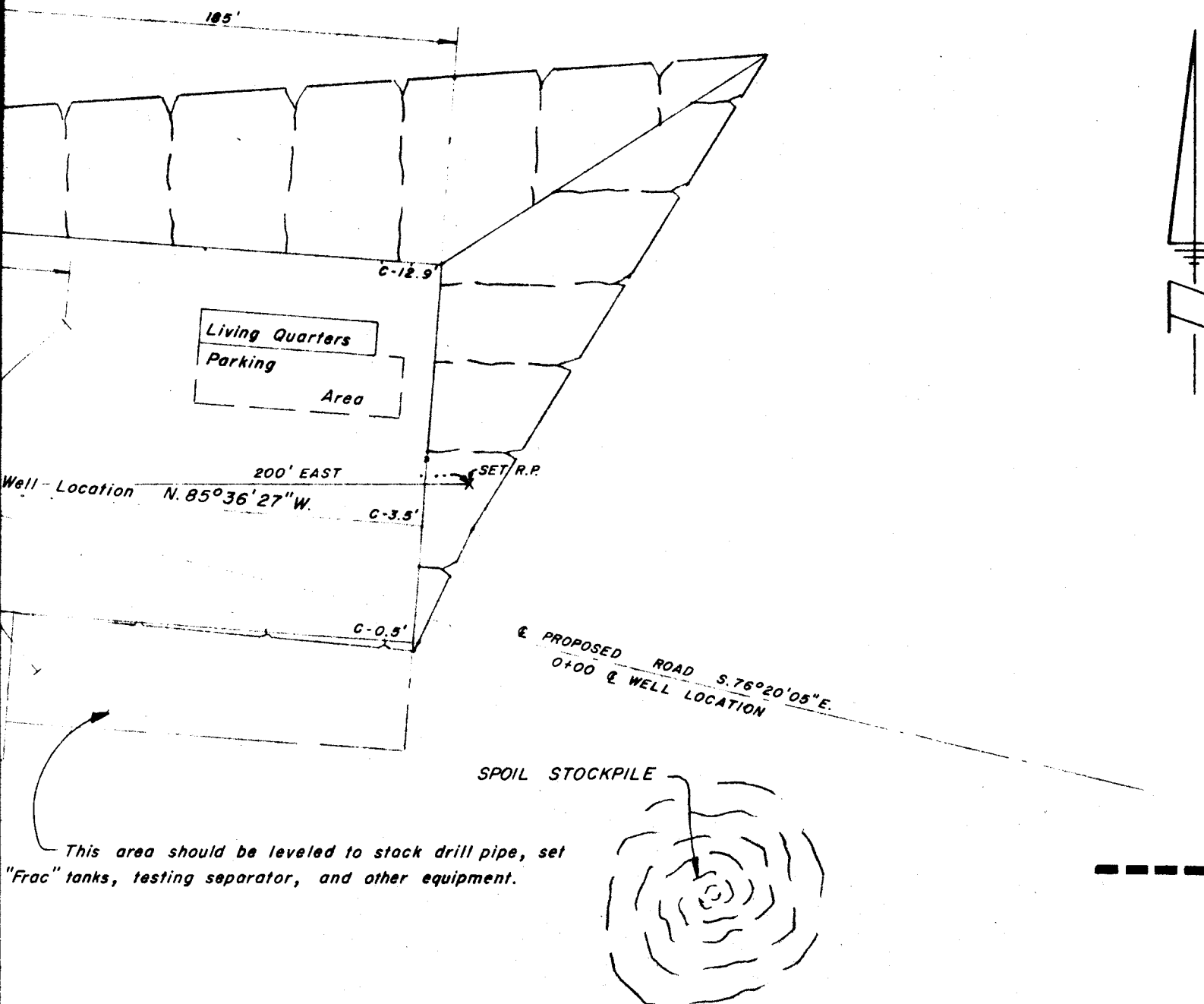
At sites where topsoil is present, same is to be removed and stored on the adjacent land for restoration of the site when required.

Mud pit and garbage pit are to be fenced, unlined.

For well location profiles see drawing number M-12449.




Area for well location 1.0 acres.

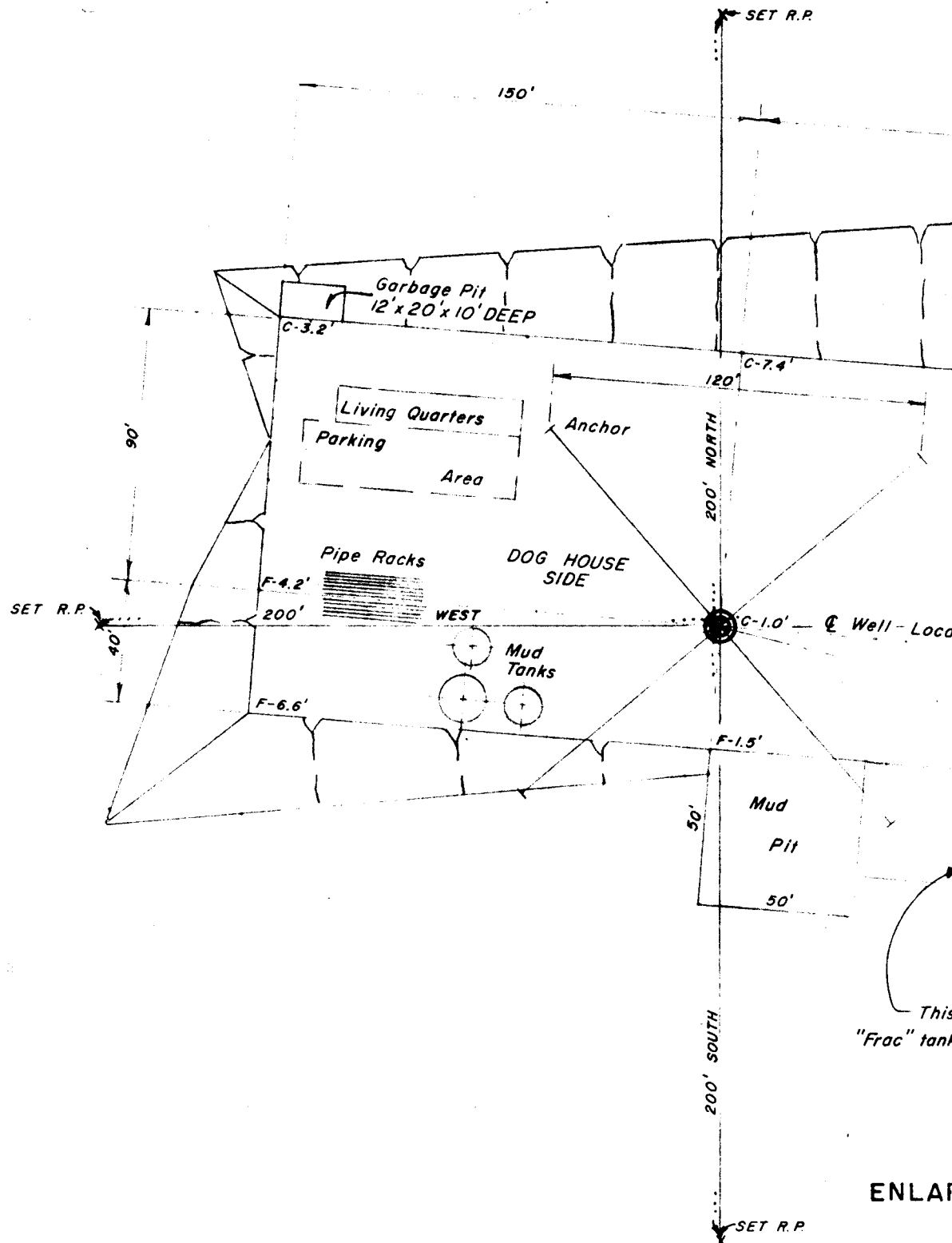
NOTE!! For original well location see drwg. no. M-12395



ENLARGED WELL SITE PLAN
SCALE 1" = 50'

DRILLING W.O.

LEGEND	ENGINEERING RECORD
 WELL	SURVEYED BY <i>Fred Hanking 2/21/77</i>
 STONE CORNER	REFERENCES G.L.O. PLAT <input checked="" type="checkbox"/> U.S.G.S. QUAD. MAP <input type="checkbox"/>
 PIPE CORNER	LOCATION DATA
	FIELD <i>Clay Basin</i>
	LOCATION: NE 1/4, NW 1/4, Sec. 27, T.3 N., R.24 E., Salt Lake Meridian, 200' FNL, 2342' FWL.
	Daggett County, Utah
	WELL ELEVATION: 6529.7' "As Graded" by electronic vertical angle elevations from M.F.S.Co. bench mark Δ 127



GENERAL NOTES:

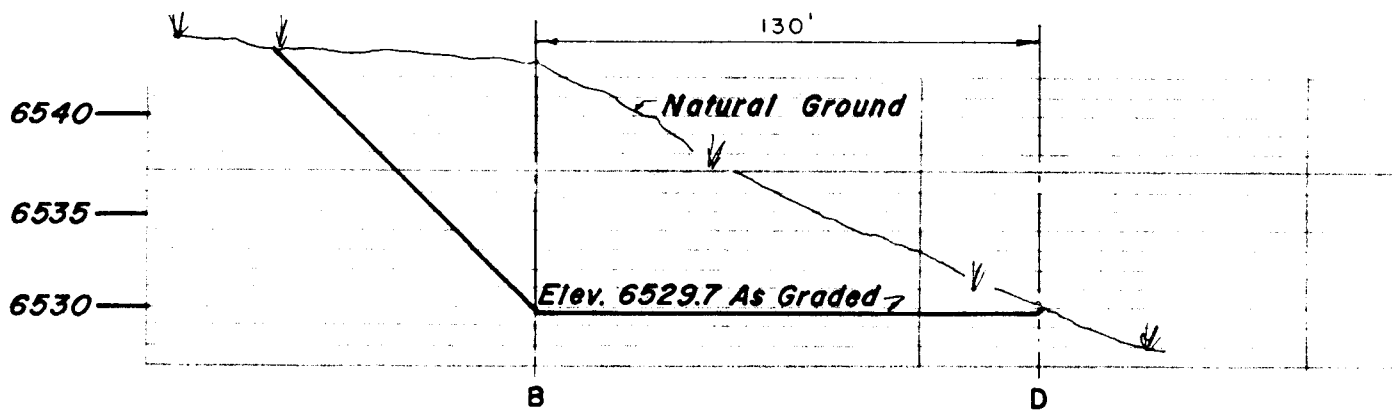
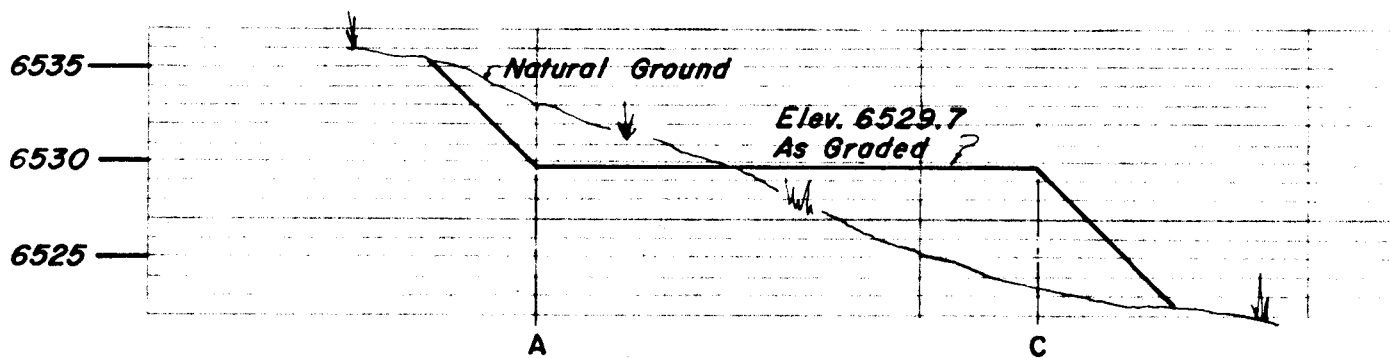
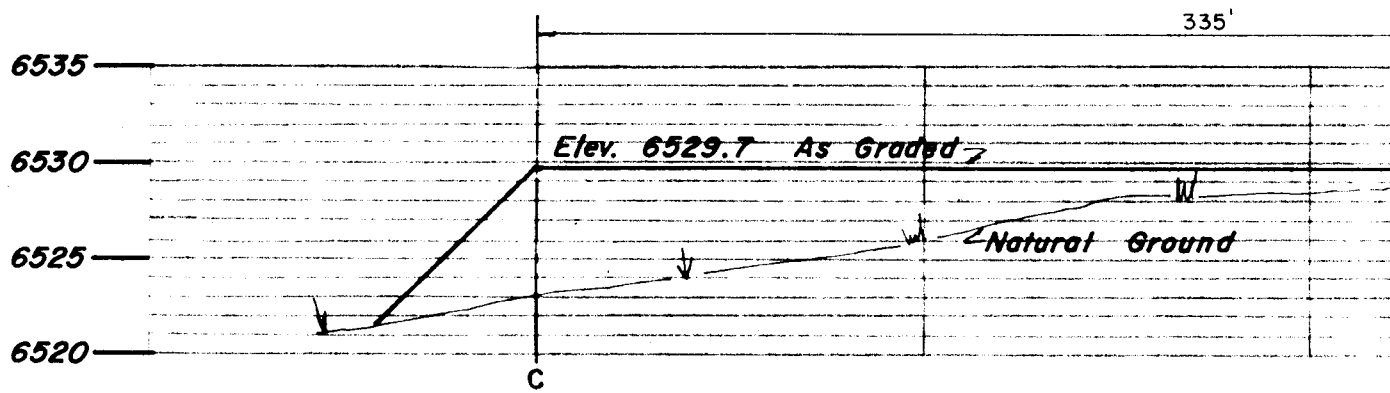
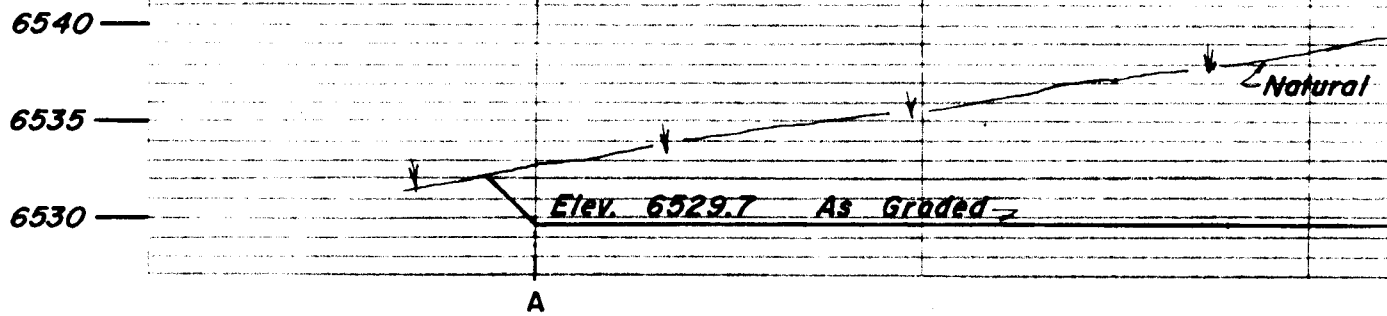
At sites where topsoil is present, same is to be removed and stored on the adjacent land for restoration of the site when required.

Mud pit and garbage pit are to be fenced, unlined.

For well location profiles see drawing number M-12449.

Area for well location 1.0 acres.

NOTE!! For original well location see drwg. no. M-12395



PROFILE SECTIONS — PROPOSED GRADED LOCATIONS

Scale
 Horiz. 1" = 50'
 Vert. 1" = 10'

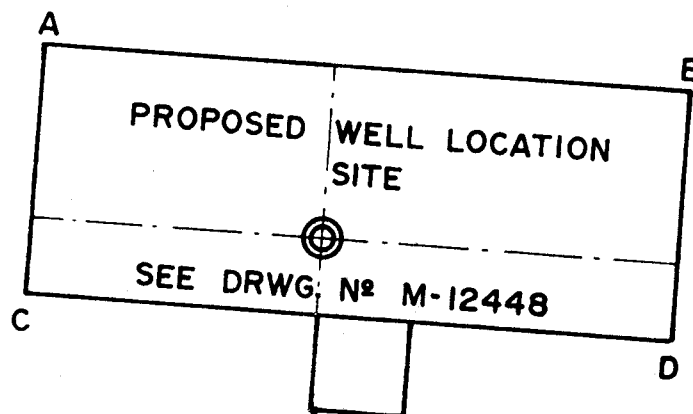
Natural Ground

B


D

LOCATION

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KEY MAP
Scale 1"=100

REVISIONS				 MOUNTAIN FUEL RESOURCES, INC.		
NO.	DESCRIPTION	DATE	BY			
				PROFILES FOR CLAY BASIN UNIT WELL N^o 37-S WELL LOCATION SITE		
				DRAWN: 2/24/77 C.R.W.	SCALE: AS NOTED	
				CHECKED: GEL	SMF	DRWG. NO. M-12449
				APPROVED: RWH		2/2

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☐GAS
WELL ☐

OTHER

Gas Storage

SINGLE
ZONE ☐MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

Mountain Fuel Resources, Inc.

3. ADDRESS OF OPERATOR

P. O. Box 1129, Rock Springs, Wyoming 82901

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)

At surface

100' FNL 2350' FWL NE NW

At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

41 miles south of Rock Springs, Wyoming

15. DISTANCE FROM PROPOSED*

100'

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

-

16. NO. OF ACRES IN LEASE

640

17. NO. OF ACRES ASSIGNED
TO THIS WELL

-

18. DISTANCE FROM PROPOSED LOCATION*

1100'

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

Unit #17

19. PROPOSED DEPTH

6027'

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

GR 6537'

22. APPROX. DATE WORK WILL START*

After Unit #36-S

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	9-5/8" new	36#, K-55	300'	180 sx, 3% CaCl
8-3/4"	7" new	23#, K-55	6027'	To be determined

We would like to drill the subject well to an estimated depth of 6027', anticipated formation tops are as follows: Mancos at the surface, Frontier at 5467', Mowry at 5667', Dakota at 5827', and Morrison at 5940'.

Mud will be adequate to contain formation fluids and in sufficient quantities to efficiently drill the well; blowout preventers will be checked daily and pressure tested after each string of casing is set; no cores, no DST's; no mud logging unit; 20 days drilling time; no abnormal temperatures, pressures, or H₂S anticipated; probably run Laterlog & CDL logs.

APPROVED BY THE DIVISION OF
GAS, AND MINING

DATE:

2-18-77

BY:

C. B. Light

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

R. D. Myers

TITLE

Manager, Drilling and
Petroleum Engineering

DATE

Feb. 12, 1977

(This space for Federal or State office use)

PERMIT NO.

43-009-30028

APPROVAL DATE

APPROVED BY

Cause 164-1

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

Well Name Clay Basin Unit Well No. 37-SLocation NE NW 27-3N-24EDaggett County, Utah

<u>Wellhead Equipment</u>	<u>Size</u>	<u>Pressure Rating</u>	<u>Pressure Test</u>
Surface Casing Flange	10	3000	
Casing Spool			
Tubing Spool	10 x 6	3,000	6,000
Tubing Bonnet	10 x 4	3,000	6,000

<u>Block Out Preventers</u> (Top to Bottom)	<u>Size</u>	<u>PGE Rating</u>	<u>PGE Test</u>	<u>Tag</u>	<u>Remarks</u>
	10	3,000	6,000		Blind
	10	3,000	6,000		4-1/2
<u>Gas Buster</u>	<u>Yes</u>	<u>X</u> No	<u>Degasser</u>	<u>Yes</u>	<u>X</u> No

Kill or Control Manifold

<u>Size</u>	<u>Pressure Rating</u>	<u>Pressure Rating Test</u>	<u>Hydraulic Valves</u>
2"	3,000	6,000	No

<u>Auxiliary Equipment</u>	<u>Kelly Cock</u>	<u>Yes</u>	<u>No</u>
		X	

<u>Monitoring Equipment on Mud System</u>	<u>Yes</u>	<u>No</u>
		X

<u>Full Opening Drill Pipe Stabbing Valve on Floor</u>	<u>Yes</u>	<u>No</u>
	X	

<u>Type of Drilling Fluid</u>	<u>Water Base Mud</u>	<u>Air</u>	<u>Gas</u>	<u>Oil Base Mud</u>
	X			

<u>Anticipated Bottom Hole Pressure</u>	<u>PGL</u>
500	

** FILE NOTATIONS **

Date:

Feb. 16 -

Operator:

Mountain Fuel Resources

Well No.

Clay Basin Unit 34-S

Location:

Sec. 27 T. 3N R. 24E County:

Sage

File Prepared

☒

Entered on N.I.D.

☒

Card Indexed

☒

Completion Sheet

☒

Checked By:

Administrative Assistant:

SW

Remarks:

Petroleum Engineer:

P

Remarks:

Director:

Z

Remarks:

Include Within Approval Letter:

Bond Required

☐

Survey Plat Required

☐

Order No.

164-1

☒

Surface Casing Change

☐

to

Rule C-3(c), Topographical exception/company owns or controls acreage
within a 660' radius of proposed site

O.K. Rule C-3

☐

O.K. In

Clay Basin

Unit

☒

Other:

Approved

R

DEVELOPMENT PLAN FOR U.S.C.S. APPROVAL OF SURFACE USE
MOUNTAIN FUEL SUPPLY COMPANY DRILLING WELLS

Well Name - Clay Basin Well No. 37-S

Field or Area - Clay Basin, Daggett County, Utah

1. Existing Roads -

- A) Proposed well site as staked - Refer to well location plat No. M-12395 for location of well access road and directional reference stakes.
- B) Route and distance from nearest town or locatable reference point to where well access route leaves main road - Refer to lateral map No. M-9030. From the Wyoming-Utah State Line to Rock Springs, Wyoming is 50 miles.
- C) Access road to location - Refer to lateral map No. M-9030 and well site map No. M-12395 for access road from Wyoming-Utah State Line to Clay Basin Unit Well No. 37-S.
- D) If exploratory well, all existing roads within a 3-mile radius of well site - Not an exploratory well.
- E) If development well, all existing roads within a 1-mile radius - This will be a storage development well. Refer to later map No. M-9030 for existing roads.
- F) Plans for improvement and/or maintenance of existing roads - All existing roads will be maintained as needed by Mountain Fuel equipment. No existing roads will be maintained.

2. Planned Access Road -

- A) Width - 16' wide from shoulder to shoulder.
- B) Maximum grade - The maximum grade on the road is 8 percent.
- C) Turnouts - No turnouts will be constructed.
- D) Drainage design - A drainage ditch on the uphill side of the road will be constructed. It will be a minimum of one foot below the surface of the road. No water diversion ditches are anticipated.
- E) Location and size of culverts and description of major cuts and fills -
 - 1) For culvert size and location see drawing No. M-12395.
 - 2) No sidehill cuts will be made.
- F) Surfacing material - No surfacing material will be needed either on the road or location.
- G) Necessary gates, cattle guards or fence cuts - No cattle guards, gates, or fence cuts are anticipated.
- H) New or reconstructed roads - Refer to drawing No. M-12395. No existing road to be reconstructed.

3. Location of Existing Wells -

- A) Water wells - None within a one mile radius.
- B) Abandoned wells - None within a one mile radius.
- C) Temporarily abandoned wells - None within a one mile radius.

- D) Disposal wells - None within a one mile radius.
 - E) Drilling wells - Refer to area map No. M-9030 for proposed wells.
 - F) Producing wells - Clay Basin Well Nos. 17, 23, and 12 are productive gas wells.
 - G) Shut-in wells - None within a one mile radius.
 - H) Injection wells - Clay Basin Well Nos. 2, 4, 6, and 11 are injection/withdrawal storage wells.
 - I) Monitoring or observation wells for other resources - None within a one mile radius.
4. Location of Existing And/Or Proposed Facilities - Refer to area map No. M-9030.
- A) 1) Tank batteries - None within a one mile radius.
 - 2) Production facilities - Each productive gas well has its own production facilities. Also, a compressor plant is located near Unit Well No. 3. Also, a compressor plant for injection is being built near Unit Well No. 3.
 - 3) Oil gathering lines -
No oil gathering lines are located in the Clay Basin area.
 - 4) Gas gathering lines - Lateral Nos. 271, 292, 370, 402, 404, and 432 are surface gas lines.
 - 5) Injection lines - Several injection/withdrawal lines are located within a one mile radius. Refer to area map No. M-9030.
 - 6) Disposal lines -
None within a one mile radius.
 - B) 1) Proposed location and attendant lines by flagging if off the well pad -
The well will be used as a gas storage well. A 6-inch buried line will be installed from the well to the central dehydration facilities as shown on drawing No. M-9030.
 - 2) Dimensions of facilities - Refer to drawing No. M-12205.
 - 3) Construction methods and materials - No construction materials are anticipated. The dirt work will be done with a back hoe, i.e., ditches, dehydration base, tank base, etc.
 - 4) Protective measures and devices to protect livestock and wildlife -
The sump pit will be fenced as shown on drawing No. M-12205.
 - C) Plans for rehabilitation of disturbed area no longer needed for operations after construction is completed - After construction is complete, areas of non-use will be restored and seeded.
5. Location and Type of Water Supply -
- A) Location of water - The water withdrawal point on Red Creek is located in the SW 1/4 of Section 22, T.12N., R.105W., of the 6th P.M., Sweetwater County, Wyoming.
 - B) Method of transporting water - Water will be hauled by tank truck from Red Creek to Unit Well No. 37-S. The well access road, as shown on drawing No. M-9030, will be used as the water haul road.

C) Water well to be drilled on lease - No water well will be drilled.

6. Source of Construction Material -

A) Information - No construction material will be used.

B) Identify if from Federal or Indian land -

C) Where materials are to be obtained and used -

D) Access roads crossing Federal or Indian lands -

7. Method for Handling Waste Disposal -

A-D) Cuttings, drilling fluids, produced fluids, and sewage will be placed in the mud pit.

E) Garbage and other waste material will be placed in the burn pit.

F) After drilling operations have been completed, the location will be cleared of all litter, and the trash will be burned in the burn pit. The burn pit will be covered over. The mud pit liquids will be pumped out and dumped on the existing roads. The mud pit will be covered over.

8. Ancillary Facilities - There now is a camp located in the NE 1/4 of Section 21, T.3N., R.24E. with housing and general camp facilities. A landing strip is located on the north line of Section 21. Water is piped to the camp from a spring to the west.

9. Well Site Layout -

See drawing Nos. M-12395 and M-12396.

10. Plans for Restoration of Surface -

A) After drilling operations, the well site will be cleared and cleaned and the burn pit filled in. Should the well be a dry hole, the surface will be restored to the extent that it will blend in with the landscape. The reserve pit liquids will be pumped out and dumped on the existing roads.

B) Revegetation and rehabilitation of the location and access road will be done to comply with Bureau of Land Management recommendations.

C) Prior to rig release, pits will be fenced and so maintained until clean up.

D) If oil is in the mud pit, overhead flagging will be installed to keep birds out.

E) Clean up will begin within two months after drilling operations have been completed and the land will be restored at this time.

11. Other Information -

A) The location lies at the southern base of a hill. The slope is down to the south at $\pm 15\%$. The vegetation is range grass and sagebrush. The soil is clay with gravel rock. The access road bears east more or less and junctions with the road to Clay Basin No. 28-S.

B) The surface belongs to the U.S. Government.

C) Water can be located in Red Creek. The Clay Basin camp is occupied by Mountain Fuel personnel. No historical, archaeological, or cultural sites are in the area to my knowledge.

12. Lessee's or Operator's Representative -

D. E. Dallas, Drilling Superintendent, P. O. Box 1129, Rock Springs, Wyoming 82901, telephone 307-362-5611.

13. Certification -

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and, that the work associated with the operations proposed herein will be performed by Mountain Fuel Supply Company and its contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

Date _____

Name Dale Pickett
Title Drilling Superintendent

cdk

Well Name Clay Basin Unit Well No. 37-S

Location NE NW 27-3N-24E

Daggett County, Utah

<u>Wellhead Equipment</u>	<u>Size</u>	<u>Pressure Rating</u>	<u>Pressure Test</u>
Surface Casing Flange	<u>10</u>	<u>3000</u>	
Casing Spool			
Tubing Spool	<u>10 x 6</u>	<u>3,000</u>	<u>6,000</u>
Tubing Bonnet	<u>10 x 4</u>	<u>3,000</u>	<u>6,000</u>

<u>Blow Out Preventers</u> (Top to Bottom)	<u>Size</u>	<u>PSI Rating</u>	<u>PSI Test</u>	<u>Bag</u>	<u>Range</u>
	<u>10</u>	<u>3,000</u>	<u>6,000</u>		<u>Blind</u>
	<u>10</u>	<u>3,000</u>	<u>6,000</u>		<u>4-1/2</u>
<u>Gas Buster</u>	<u>Yes</u>	<u>X</u> No	<u>Degasser</u>	<u>Yes</u>	<u>X</u> No

Kill or Control Manifold

<u>2"</u> Size	<u>3,000</u> Pressure Rating	<u>6,000</u> Pressure Rating Test	<u>No</u> Hydraulic Valves
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<u>Auxiliary Equipment</u>	<u>Kelly Cock</u>	<u>X</u> Yes	<u>No</u>
----------------------------	-------------------	-----------------	-----------

<u>Monitoring Equipment on Mud System</u>	<u>X</u> Yes	<u>No</u>
---	-----------------	-----------

<u>Full Opening Drill Pipe</u>	<u>X</u> Yes	<u>No</u>
<u>Slabbing Valve on Floor</u>		

<u>Type of Drilling Fluid</u>	<u>X</u> Water Base Mud	<u>Air</u>	<u>Gas</u>	<u>Oil Base Mud</u>
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<u>Anticipated Bottom Hole Pressure</u>	<u>500</u> PSI
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DEVELOPMENT PLAN FOR U.S.C.S. APPROVAL OF SURFACE USE
MOUNTAIN FUEL SUPPLY COMPANY DRILLING WELLS

Well Name - Clay Basin Well No. 37-S

Field or Area - Clay Basin, Daggett County, Utah

1. Existing Roads -

- A) Proposed well site as staked - Refer to well location plat No. M-12395 for location of well access road and directional reference stakes.
- B) Route and distance from nearest town or locatable reference point to where well access route leaves main road - Refer to lateral map No. M-9030. From the Wyoming-Utah State Line to Rock Springs, Wyoming is 50 miles.
- C) Access road to location - Refer to lateral map No. M-9030 and well site map No. M-12395 for access road from Wyoming-Utah State Line to Clay Basin Unit Well No. 37-S.
- D) If exploratory well, all existing roads within a 1/2-mile radius of well site - Not an exploratory well.
- E) If development well, all existing roads within a 1-mile radius - This will be a storage development well. Refer to later map No. M-9030 for existing roads.
- F) Plans for improvement and/or maintenance of existing roads - All existing roads will be maintained as needed by Mountain Fuel equipment. No existing roads will be maintained.

2. Planned Access Road -

- A) Width - 16' wide from shoulder to shoulder.
- B) Maximum grade - The maximum grade on the road is 8 percent.
- C) Turnouts - No turnouts will be constructed.
- D) Drainage design - A drainage ditch on the uphill side of the road will be constructed. It will be a minimum of one foot below the surface of the road. No water diversion ditches are anticipated.
- E) Location and size of culverts and description of major cuts and fills -
 - 1) For culvert size and location see drawing No. M-12395.
 - 2) No sidehill cuts will be made.
- F) Surfacing material - No surfacing material will be needed either on the road of location.
- G) Necessary gates, cattle guards or fence cuts - No cattle guards, gates, or fence cuts are anticipated.
- H) New or reconstructed roads - Refer to drawing No. M-12395. No existing road to be reconstructed.

3. Location of Existing Wells -

- A) Water wells - None within a one mile radius.
- B) Abandoned wells - None within a one mile radius.
- C) Temporarily abandoned wells - None within a one mile radius.

- D) Disposal wells - None within a one mile radius.
 - E) Drilling wells - Refer to area map No. M-9030 for proposed wells.
 - F) Producing wells - Clay Basin Well Nos. 17, 23, and 12 are productive gas wells.
 - G) Shut-in wells - None within a one mile radius.
 - H) Injection wells - Clay Basin Well Nos. 2, 4, 6, and 11 are injection/withdrawal storage wells.
 - I) Monitoring or observation wells for other resources - None within a one mile radius.
4. Location of Existing And/Or Proposed Facilities - Refer to area map No. M-9030.
- A) 1) Tank batteries - None within a one mile radius.
 - 2) Production facilities - Each productive gas well has its own production facilities. Also, a compressor plant is located near Unit Well No. 3. Also, a compressor plant for injection is being built near Unit Well No. 3.
 - 3) Oil gathering lines -
No oil gathering lines are located in the Clay Basin area.
 - 4) Gas gathering lines - Lateral Nos. 271, 292, 370, 402, 404, and 432 are surface gas lines.
 - 5) Injection lines - Several injection/withdrawal lines are located within a one mile radius. Refer to area map No. M-9030.
 - 6) Disposal lines -
None within a one mile radius.
 - B) 1) Proposed location and attendant lines by flagging if off the well pad -
The well will be used as a gas storage well. A 6-inch buried line will be installed from the well to the central dehydration facilities as shown on drawing No. M-9030.
 - 2) Dimensions of facilities - Refer to drawing No. M-12205.
 - 3) Construction methods and materials - No construction materials are anticipated. The dirt work will be done with a back hoe, i.e., ditches, dehydration base, tank base, etc.
 - 4) Protective measures and devices to protect livestock and wildlife -
The sump pit will be fenced as shown on drawing No. M-12205.
 - C) Plans for rehabilitation of disturbed area no longer needed for operations after construction is completed - After construction is complete, areas of non-use will be restored and seeded.
5. Location and Type of Water Supply -
- A) Location of water - The water withdrawal point on Red Creek is located in the SW 1/4 of Section 22, T.12N., R.105W., of the 6th P.M., Sweetwater County, Wyoming.
 - B) Method of transporting water - Water will be hauled by tank truck from Red Creek to Unit Well No. 37-S. The well access road, as shown on drawing No. M-9030, will be used as the water haul road.

C) Water well to be drilled on lease - No water well will be drilled.

6. Source of Construction Material -

A) Information - No construction material will be used.

B) Identify if from Federal or Indian land -

C) Where materials are to be obtained and used -

D) Access roads crossing Federal or Indian lands -

7. Method for Handling Waste Disposal -

A-D) Cuttings, drilling fluids, produced fluids, and sewage will be placed in the mud pit.

E) Garbage and other waste material will be placed in the burn pit.

F) After drilling operations have been completed, the location will be cleared of all litter, and the trash will be burned in the burn pit. The burn pit will be covered over. The mud pit liquids will be pumped out and dumped on the existing roads. The mud pit will be covered over.

8. Ancillary Facilities - There now is a camp located in the NE 1/4 of Section 21, T.3N., R.24E. with housing and general camp facilities. A landing strip is located on the north line of Section 21. Water is piped to the camp from a spring to the west.

9. Well Site Layout -

See drawing Nos. M-12395 and M-12396.

10. Plans for Restoration of Surface -

A) After drilling operations, the well site will be cleared and cleaned and the burn pit filled in. Should the well be a dry hole, the surface will be restored to the extent that it will blend in with the landscape. The reserve pit liquids will be pumped out and dumped on the existing roads.

B) Revegetation and rehabilitation of the location and access road will be done to comply with Bureau of Land Management recommendations.

C) Prior to rig release, pits will be fenced and so maintained until clean up.

D) If oil is in the mud pit, overhead flagging will be installed to keep birds out.

E) Clean up will begin within two months after drilling operations have been completed and the land will be restored at this time.

11. Other Information -

A) The location lies at the southern base of a hill. The slope is down to the south at $\pm 15\%$. The vegetation is range grass and sagebrush. The soil is clay with gravel rock. The access road bears east more or less and junctions with the road to Clay Basin No. 28-S.

B) The surface belongs to the U.S. Government.

C) Water can be located in Red Creek. The Clay Basin camp is occupied by Mountain Fuel personnel. No historical, archaeological, or cultural sites are in the area to my knowledge.

12. Lessee's or Operator's Representative -

D. E. Dallas, Drilling Superintendent, P. O. Box 1129, Rock Springs, Wyoming 82901, telephone 307-362-5611.

13. Certification -

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and, that the work associated with the operations proposed herein will be performed by Mountain Fuel Supply Company and its contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

Date _____

Name Dale Ballard
Title Drilling Superintendent

cdk

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

SL - 045053 a

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1.

OIL WELL ☐ GAS WELL ☐ OTHER ☒ Gas Storage

2. NAME OF OPERATOR

Mountain Fuel Resources, Inc.

3. ADDRESS OF OPERATOR

P. O. Box 1129, Rock Springs, Wyoming 82901

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*

See also space 17 below.)
At surface

200' FNL, 2342' FWL NE NW

7. UNIT AGREEMENT NAME

Clay Basin Gas
Storage Agreement

8. FARM OR LEASE NAME

Unit Well

9. WELL NO.

37-S

10. FIELD AND POOL, OR WILDCAT

Clay Basin Gas Storage

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

NE NW 27-3N-24E

14. PERMIT NO.

API No.: 43-009-30028

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

GR 6529.7'

12. COUNTY OR PARISH

Daggett

13. STATE

Utah

16.

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

☐
☐
☐
☐
☐

PULL OR ALTER CASING

☐
☐
☐
☐
☐

FRACTURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON*

REPAIR WELL

CHANGE PLANS

(Other)

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

☐
☐
☐
☐
☐

REPAIRING WELL

☐
☐
☐
☐
☒

FRACTURE TREATMENT

ALTERING CASING

SHOOTING OR ACIDIZING

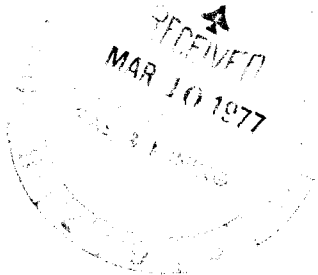
ABANDONMENT*

(Other) Move location

(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) *

Location was moved per request of BLM, new location plats are attached.



18. I hereby certify that the foregoing is true and correct

SIGNED

R. D. Myers

TITLE

Manager, Drilling and
Petroleum Engineering

DATE

March 8, 1977

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYp1
SUBMIT IN TRIPLICATE*
(Other instructions on re-
verse side)Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

SLC 045053 a

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

-

7. UNIT AGREEMENT NAME

Clay Basin Gas
Storage Agreement

8. FARM OR LEASE NAME

Unit Well

9. WELL NO.

37-S

10. FIELD AND POOL, OR WILDCAT

Clay Basin Gas Storage

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

NE NW 27-3N-24E

14. PERMIT NO.

API No.: 43-009-30028

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

KB 6547.30'

GR 6529.70'

12. COUNTY OR PARISH

Daggett

13. STATE

Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

☐
☐
☐
☐

PULL OR ALTER CASING

☐
☐
☐
☐

FRACTURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON*

REPAIR WELL

CHANGE PLANS

(Other)

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

☐
☐
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☐

REPAIRING WELL

☐
☐
☐
☐

FRACTURE TREATMENT

ALTERING CASING

SHOOTING OR ACIDIZING

ABANDONMENT*

(Other) Supplementary history

☒(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17 DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Depth 4490', spudded May 9, 1977, landed 9-5/8"OD, 32.3#, H-40 casing at 283.18' KBM and set with 180 sacks regular class G cement treated with 3% calcium chloride, cement in place May 10, 1977, drilling.

18. I hereby certify that the foregoing is true and correct

SIGNED

R. L. Myers

TITLE

Manager, Drilling and
Petroleum Engineering

DATE

May 14, 1977

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIPLICATE*
(Other instructions on re-
verse side)Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

SLC 045053 a

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

-

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> Gas Storage		7. UNIT AGREEMENT NAME Clay Basin Gas Storage Agreement	
2. NAME OF OPERATOR Mountain Fuel Resources, Inc.		8. FARM OR LEASE NAME Unit Well	
3. ADDRESS OF OPERATOR P. O. Box 1129, Rock Springs, Wyoming 82901		9. WELL NO. 37-S	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 200' FNL, 2342' FWL NE NW		10. FIELD AND POOL, OR WILDCAT Clay Basin Gas Storage	
14. PERMIT NO. AFI No.: 43-009-30028		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA NE NW 27-3N-24E	
15. ELEVATIONS (Show whether DF, RT, GR, etc.) KB 6463.60' GR 6446'		12. COUNTY OR PARISH Daggett	
		13. STATE Utah	

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
(Other) <input type="checkbox"/>	

SUBSEQUENT REPORT OF:

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
(Other) <input checked="" type="checkbox"/> Supplementary history	

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

TD 5984', PBD 5925', landed 7"OD, 23#, K-55, casing at 5973.06' KBM and set with 475 sacks 50-50 Pozmix cement with 2% gel, rotary rig released 5-19-77, rigged up completion unit on 5-26-77, perforated Dakota from 5773' to 5782' and from 5789' to 5815' with 2 jumbo jet shots per foot, set packer at 5673', landed 4-1/2" tubing at 5672.21', swabbed, flowed for 2 hours, rig released May 29, 1977.

NOTE: KB and GR elevations corrected.

Final report.

18. I hereby certify that the foregoing is true and correct

SIGNED

R. E. Myers

TITLE

Manager, Drilling and
Petroleum Engineering

DATE

May 31, 1977

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other in-
structions on
reverse side)Form approved.
Budget Bureau No. 42-R355.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL:		OIL WELL <input type="checkbox"/>	GAS WELL <input type="checkbox"/>	DRY <input type="checkbox"/>	Other <u>Gas Storage</u>
b. TYPE OF COMPLETION:					
NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> Other _____					
2. NAME OF OPERATOR Mountain Fuel Resources, Inc.					
3. ADDRESS OF OPERATOR P. O. Box 1129, Rock Springs, Wyoming 82901					
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 200' FNL, 2342' FWL NE NW At top prod. interval reported below At total depth					
14. PERMIT NO.		DATE ISSUED			
API No.: 43-009-30028					
15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMPL. (Ready to prod.)	18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*	19. ELEV. CASINGHEAD	
5-9-77	5-17-77	5-29-77	KB 6463.60' GR 6446'	-	
20. TOTAL DEPTH, MD & TVD	21. PLUG, BACK T.D., MD & TVD	22. IF MULTIPLE COMPL., HOW MANY*	23. INTERVALS DRILLED BY	ROTARY TOOLS	CABLE TOOLS
5984'	5925'		→	0-5984'	-
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 5773-5782' and 5789-5815' Dakota					25. WAS DIRECTIONAL SURVEY MADE No
26. TYPE ELECTRIC AND OTHER LOGS RUN Compensated Densilog, Dual Laterolog					27. WAS WELL CORED No
28. CASING RECORD (Report all strings set in well)					
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9-5/8	32.3	283.18	12-1/4	180	0
7	23	5973.06	8-3/4	475	0
29. LINER RECORD					
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	
30. TUBING RECORD					
SIZE	DEPTH SET (MD)	PACKER SET (MD)			
4-1/2	5672.21	5673			
31. PERFORATION RECORD (Interval, size and number) 5773-5782' and 5789-5815', jumbo jet, 2 holes per foot			32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.		
			DEPTH INTERVAL (MD)		
			AMOUNT AND KIND OF MATERIAL USED		
33.* PRODUCTION					
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)			WELL STATUS (Producing or shut-in)
-		Flowing - GAS STORAGE			Shut in
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.
-	-	-	→	-	-
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.
-	-	→	-	-	-
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)					TEST WITNESSED BY
35. LIST OF ATTACHMENTS Logs as above, Well Completion to be sent at a later date.					
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records					
Manager, Drilling and					
SIGNED <u>R. G. Myers</u>		TITLE <u>Petroleum Engineering</u>		DATE <u>May 31, 1977</u>	

*(See Instructions and Spaces for Additional Data on Reverse Side)

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES: SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES				38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TRUE VERT. DEPTH
				Log tops:		
				Mancos	0'	
				Frontier	5414'	
				Mowry	5602'	
				Dakota	5762'	
				Morrison	5952'	

COMPLETION REPORT

Well: Clay Basin Unit No. 37-S Date: October 3, 1977

Area: Clay Basin Lease No: SLC 045053 a

☐ New Field Wildcat ☒ Development Well ☐ Shallower Pool Test
☐ New Pool Wildcat ☐ Gas Storage ☐ Deeper Pool Test
☐ Extension

Location: 200 feet from North line, 2342 feet from West line
NE $\frac{1}{4}$ NW $\frac{1}{4}$

Section 27, Township 3 North, Range 24 East

County: Daggett State: Utah

Operator: Mountain Fuel Resources, Inc.

Elevation: KB 6463.60 Gr 6446 Total Depth: Driller 5984 Log 5993

Drilling Commenced: May 9, 1977 Drilling Completed: May 17, 1977

Rig Released: May 19, 1977 Well Completed: May 29, 1977

Sample Tops: (unadjusted)

Log Tops:

Mancos	Surface
Frontier	5414
Mowry	5602
Dakota	5762
Morrison	5952

Sample Cuttings: None

Status: Gas storage injection/withdrawal well

Producing Formation: Dakota

Perforations: 5773-5782 and 5789-5815, jumbo jet, 2 holes per foot

Stimulation: None

Production: None reported

Plug Back Depth: 5925

Plugs: None

Hole Size: 12-1/4" to 300; 8-3/4" to 5984

Casing/Tubing: 9-5/8" to 283.18, 7" to 5973.06; 4-1/2" to 5672.21 with packer
set at 5673

Logging - Mud: None

Mechanical: Compensated Densilog (3991-5991)
Dual Laterolog (281-5979)

Contractor: Signal Drilling Company

Completion Report Prepared by: M. L. Tomac

Remarks: API No. 4300930028

OCT 24 1977

COMPLETION REPORT (cont.)

Page 2

Well: Clay Basin Unit No. 37-S

Area: Clay Basin

Cored Intervals (recovery): None

Tabulation of Drill Stem Tests: None

<u>No.</u>	<u>Interval</u>	<u>IHP</u>	<u>IFP (min.)</u>	<u>ISIP (min.)</u>	<u>FFP (min.)</u>	<u>FSIP (min.)</u>	<u>FHP</u>	<u>Samples Caught</u>	<u>Remarks</u>
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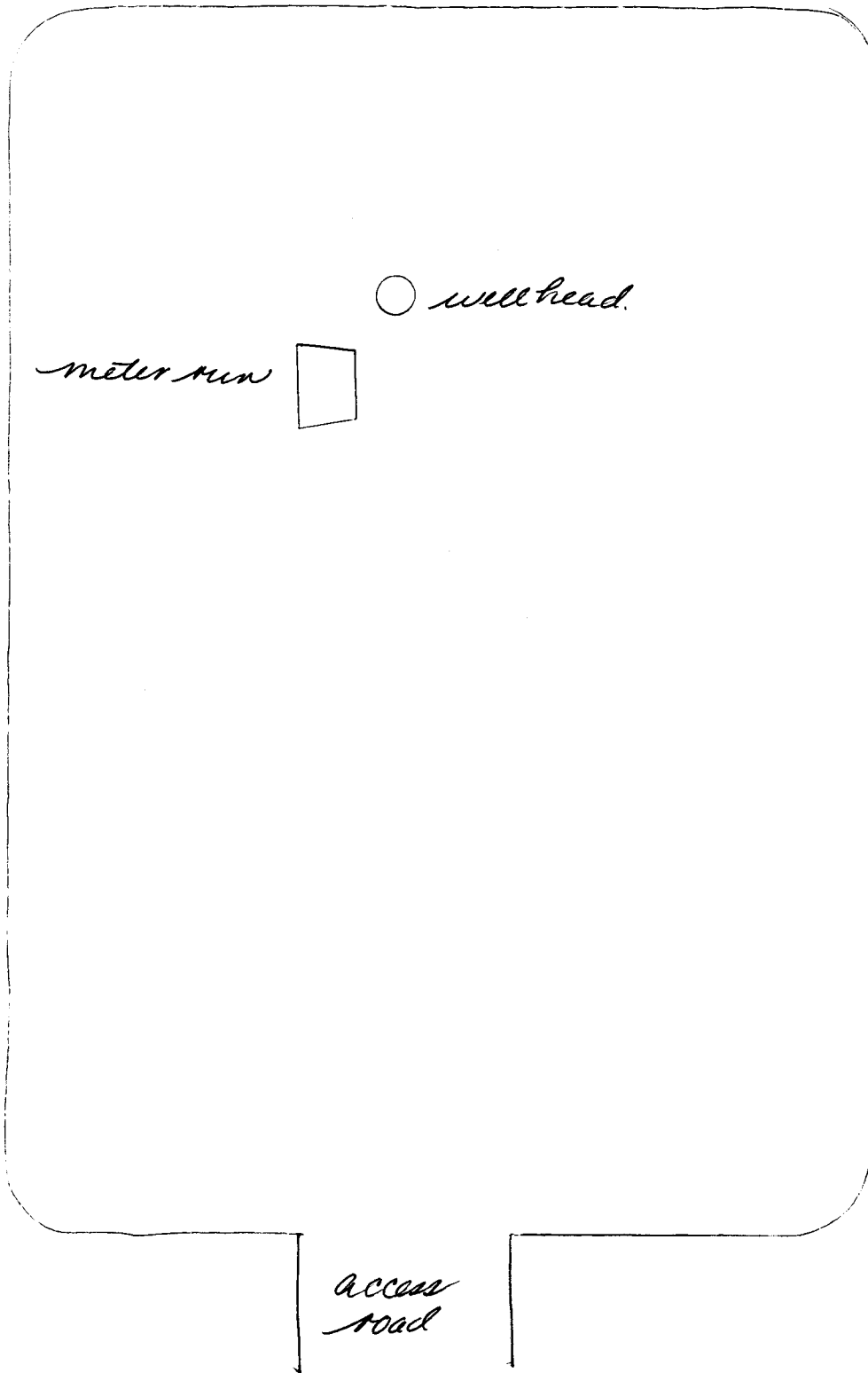
Clay Basin U #37c

Sec 27, 3N, 24E

Ch. 'y

14 June 88

N



42-381 50 SHEETS 5 SQUARE
42-382 100 SHEETS 5 SQUARE
42-389 200 SHEETS 5 SQUARE



STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER Gas Storage Well		5. LEASE DESIGNATION AND SERIAL NO. SL - 045053 a	
2. NAME OF OPERATOR Questar Pipeline Company (previously MFS)		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
3. ADDRESS OF OPERATOR P.O. Box 11450, Salt Lake City, Utah 84147		7. UNIT AGREEMENT NAME Clay Basin	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface		8. FARM OR LEASE NAME Unit Well	
14. PERMIT NO. API No.: 43-009-30028		9. WELL NO. 37-S	
15. ELEVATIONS (Show whether OF, RT, GR, etc.) GR 6446'		10. FIELD AND POOL, OR WILDCAT Clay Basin	
16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA NE NW 27-3N-24E	
17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)		12. COUNTY OR PARISH Daggett	
		13. STATE Utah	

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETION <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
(Other) Run chemical injection mandrel. <input type="checkbox"/>	

SUBSEQUENT REPORT OF:

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
(Other) <input type="checkbox"/>	

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

The purpose of the workover is to run chemical injection valve with 1/4" control line to make continuous methanol injection possible during withdrawal. The program consists of the following:

1. Set plug in "R" nipple.
2. Circulate hole with CaCl_2 water.
3. Pull the 4 1/2" tubing with seal assembly.
4. Rerun tubing with chemical injection mandrel and 1/4" control line.
5. Remove the water from the hole.
6. Pull plug.

This workover is planned to be carried out in August, September or October of 1993.

RECEIVED

JUN 18 1993

DIVISION OF

OIL & GAS

18. I hereby certify that the foregoing is true and correct

SIGNED

TITLE Staff Petroleum Engineer

DATE June 17, 1993

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPI
(Other instructions
verse side)

TE
re

Form approved.
Budget Bureau No. 1004-
Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL
SL - 045053 a
6. IF INDIAN, ALLOTTEE OR TRIBE NAME

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT-" for such proposals.)

1. OIL WELL ☐ GAS WELL ☒ OTHER Gas Storage Well
2. NAME OF OPERATOR
Questar Pipeline Company (previously MFS)
3. ADDRESS OF OPERATOR
P.O. Box 11450, Salt Lake City, UT 84147
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface

200' FNL, 2342' FWL NE NW

7. UNIT AGREEMENT NAME
Clay Basin

8. FARM OR LEASE NAME
Unit Well

9. WELL NO.
37-S

10. FIELD AND POOL OR WILDCAT
Clay Basin

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

NE NW 27-3N-24E

12. COUNTY OR PARISH
Daggett

13. STATE
Utah

14. PERMIT NO.
API No.: 43-009-30028

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
GR 6446'

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐ PULL OR ALTER CASING ☐
FRACTURE TREAT ☐ MULTIPLE COMPLETE ☐
SHOOT OR ACIDIZE ☐ ABANDON* ☐
REPAIR WELL ☐ CHANGE PLANS ☐
(Other) ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐ REPAIRING WELL ☐
FRACTURE TREATMENT ☐ ALTERING CASING ☐
SHOOTING OR ACIDIZING ☐ ABANDONMENT* ☐
(Other) Ran chemical injection mandrel
(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

The purpose of the workover was to run chemical injection valve with 1/4" control line to make continuous methanol injection possible during withdrawal. The program consisted of the following:

1. Set plug in "R" nipple.
2. Circulated hole with CaCl₂ water.
3. Pulled the 4 1/2" tubing with seal assembly.
4. Ran pipe analysis log.
5. Reran tubing with chemical injection mandrel and 1/4" control line.
6. Removed the water from the hole.
7. Pulled plug.

This workover was carried out in October of 1993.

NOV 22 1993

18. I hereby certify that the foregoing is true and correct

SIGNED

TITLE Staff Petroleum Engineer

DATE November 17, 1993

(This space for Federal or State office use)

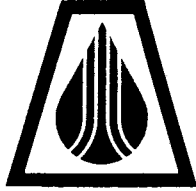
APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side



QUESTAR PIPELINE COMPANY

79 SOUTH STATE STREET • P.O. BOX 11450 • SALT LAKE CITY, UTAH 84147 • PHONE (801) 530-2400 • FAX (801) 530-2570

November 18, 1993

State of Utah
Department of Natural Resources
Division of Oil, Gas & Mining
3 Triad Center, Suite 350
Salt Lake City, UT 84180-1203

Dear Gentlemen:

Please find attached "Sundry Notices" for seven wells in Clay Basin. The workover in these wells was started on August 30, 1993 and completed on October 27, 1993.

If you have any questions, please call me at (801) 530-2006.

Sincerely,

Zoltan Bessenyei
Staff Petroleum Engineer

ZB:dc
RE3007

NOV 18 1993

3. FILE

Designation of Agent/Operator

Merger

3/7/1988

TO: (New Operator):

N7560-Questar Pipeline Company
PO Box 11450
Salt Lake City, UT 84147

Phone: 1-(801) 530-2019

Unit:

WELL(S)

[illegible]

OPERATOR CHANGES DOCUMENTATION

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 1/13/2004

2. (R649-8-10) Sundry or legal documentation was received from the NEW operator on: 1/13/2004

3. The new company was checked on the Department of Commerce, Division of Corporations Database on: 1/14/2004

4. Is the new operator registered in the State of Utah: YES Business Number: 649172-0142

5. If **NO**, the operator was contacted contacted on:

6. (R649-9-2) Waste Management Plan has been received on:

IN PLACE

7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: 3/9/1989

8. **Federal and Indian Units:**

The BLM or BIA has approved the successor of unit operator for wells listed on:

n/a

9. **Federal and Indian Communization Agreements ("CA"):**

The BLM or BIA has approved the operator for all wells listed within a CA on:

n/a

10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, Transfer of Authority to Inject, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: N/A

DATA ENTRY:

1. Changes entered in the Oil and Gas Database on:

1/29/2004

2. Changes have been entered on the Monthly Operator Change Spread Sheet on:

1/29/2004

3. Bond information entered in RBDMS on:

1/29/2004

4. Fee wells attached to bond in RBDMS on:

1/29/2004

5. Injection Projects to new operator in RBDMS on:

n/a

STATE WELL(S) BOND VERIFICATION:

1. State well(s) covered by Bond Number:

965003032

FEDERAL WELL(S) BOND VERIFICATION:

1. Federal well(s) covered by Bond Number:

965002976

INDIAN WELL(S) BOND VERIFICATION:

1. Indian well(s) covered by Bond Number:

n/a

FEE WELL(S) BOND VERIFICATION:

1. (R649-3-1) The NEW operator of any fee well(s) listed covered by Bond Number

965003033

2. The FORMER operator has requested a release of liability from their bond on:

N/A

The Division sent response by letter on:

N/A

LEASE INTEREST OWNER NOTIFICATION:

3. (R649-2-10) The FORMER operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: 1/29/2004

COMMENTS:

3100
U-09712-A
et al
(U-942)
C. Seare
3/9/89

DECISION

Questar Pipeline Company : Oil and Gas Leases
P.O. Box 11450 : U-09712-A et al
Salt Lake City, Utah 84147 :

Corporate Name Change Recognized

Acceptable evidence has been received establishing that Mountain Fuel Resources, Inc. has changed their name to Questar Pipeline Company. Accordingly, the surviving company, Questar Pipeline Company, is recognized as holding all interests in Federal oil and gas leases which were held by Mountain Fuel Resources, Inc. We are changing our records with respect to the attached listing of oil and gas leases. If there are any other leases that will be affected, please contact this office.

/s/ M. Willis

ACTING Chief, Minerals
Adjudication Section

Enclosure
List of Leases

cc: All District Offices, Utah
MMS, AFS
MMS, BRASS
920, Teresa Thompson
Clay Basin Unit File

CSeare:s1 3/9/89:1642f

RECEIVED

JAN 28 2004

DIV. OF OIL, GAS & MINING

List of Leases

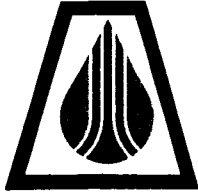
Overriding Royalties

U-09712-A
U-011246

Operating Rights

SL-045051-A & B
SL-045053-A & B
SL-062508
SL-0700555
SL-070555-A
~~SL-045049-A & B~~

Clay Basin Gas Storage Agreement
Agreement No. 14-08-0001-16009



QUESTAR PIPELINE COMPANY

79 SOUTH STATE STREET • P. O. BOX 11450 • SALT LAKE CITY, UTAH 84147 • PHONE (801) 530-2400
June 23, 1988

CERTIFIED MAIL
RETURNED RECEIPT REQUESTED
#P 879 571 459

Bureau of Land Management
Utah State Office
CFS Financial Center
324 S. State Street
Salt Lake City, UT 84111-2303

Re: Name Change
Mountain Fuel Resources, Inc.
to Questar Pipeline Company

Gentlemen:

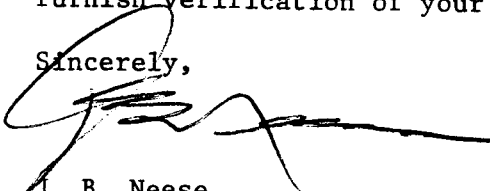
Enclosed for your files and information is a certified copy of the Articles of Amendment to the Articles of Incorporation of Mountain Fuel Resources, Inc. dated March 7, 1988, indicating that Mountain Fuel Resources, Inc. changed its name to Questar Pipeline Company.

Questar Pipeline Company holds interests in the following Federal Oil and Gas Leases in Utah:

Novels on gas field with LA
C A well - RT 5 OR's - M. Fuel Resources - U-9712-A - Questar 100%
U-011246 Agreement pending to "Questar Energy Co."
SLC-045051(A) > OR'S
SLC-045051(B) > OR'S
SLC-045053(A) > OR'S
SLC-045053(B) > OR'S
SLC-062508 - OR'S
SLC-070555 - OR'S
SLC-070555(A) - OR'S
? Agreement No. 14-08-0001-16009
(Clay Basin Gas Storage Agreement)

Please note and adjust your records in accordance with the above and furnish verification of your receipt of this notice to the undersigned.

Sincerely,


J. B. Neese
Senior Landman

JBN/sdg

Enclosure

NEW ENTITY NUMBERS ASSIGNED FEBRUARY 2004

ACCT	OPERATOR NAME	API NUM.	Sec	Twنشp	Rng	WELL NAME	ENTITY	EFF DATE	REASON
N7560	Questar Pipeline Co	4300930050	22	030N	240E	Clay Basin Unit 54-S	1025 to 14040	2/10/2004	Clay Basin Gas Storage
N7560	Questar Pipeline Co	4300915630	23	030N	240E	Clay Basin U 6 (RD Murphy 1	1025 to 14040	2/10/2004	Clay Basin Gas Storage
N7560	Questar Pipeline Co	4300915634	23	030N	240E	Clay Basin U 10 (1 CL Sparks	1025 to 14040	2/10/2004	Clay Basin Gas Storage
N7560	Questar Pipeline Co	4300930020	23	030N	240E	Clay Basin Unit 29-S	1025 to 14040	2/10/2004	Clay Basin Gas Storage
N7560	Questar Pipeline Co	4300930022	23	030N	240E	Clay Basin Unit 31-S	1025 to 14040	2/10/2004	Clay Basin Gas Storage
N7560	Questar Pipeline Co	4300930040	23	030N	240E	Clay Basin Unit 44-S	1025 to 14040	2/10/2004	Clay Basin Gas Storage
N7560	Questar Pipeline Co	4300930041	23	030N	240E	Clay Basin Unit 45-S	1025 to 14040	2/10/2004	Clay Basin Gas Storage
N7560	Questar Pipeline Co	4300930053	24	030N	240E	Clay Basin Unit 57-S	1025 to 14040	2/10/2004	Clay Basin Gas Storage
N7560	Questar Pipeline Co	4300930032	26	030N	240E	Clay Basin Unit 41-S	1025 to 14040	2/10/2004	Clay Basin Gas Storage
N7560	Questar Pipeline Co	4300930033	26	030N	240E	Clay Basin Unit 42-S	1025 to 14040	2/10/2004	Clay Basin Gas Storage
N7560	Questar Pipeline Co	4300930039	26	030N	240E	Clay Basin Unit 43-S	1025 to 14040	2/10/2004	Clay Basin Gas Storage
N7560	Questar Pipeline Co	4300930042	26	030N	240E	Clay Basin Unit 46-S	1025 to 14040	2/10/2004	Clay Basin Gas Storage
N7560	Questar Pipeline Co	4300930051	26	030N	240E	Clay Basin Unit 55-S	1025 to 14040	2/10/2004	Clay Basin Gas Storage
N7560	Questar Pipeline Co	4300930052	26	030N	240E	Clay Basin Unit 56-S	1025 to 14040	2/10/2004	Clay Basin Gas Storage
N7560	Questar Pipeline Co	4300915628	27	030N	240E	Clay Basin U 4 (ES Lauzer 1)	1025 to 14040	2/10/2004	Clay Basin Gas Storage
N7560	Questar Pipeline Co	4300930025	27	030N	240E	Clay Basin Unit 34-S	1025 to 14040	2/10/2004	Clay Basin Gas Storage
N7560	Questar Pipeline Co	4300930028	27	030N	240E	Clay Basin Unit 37-S	1025 to 14040	2/10/2004	Clay Basin Gas Storage
N7560	Questar Pipeline Co	4300930029	27	030N	240E	Clay Basin Unit 38-S	1025 to 14040	2/10/2004	Clay Basin Gas Storage
N7560	Questar Pipeline Co	4300930043	27	030N	240E	Clay Basin Unit 47-S	1025 to 14040	2/10/2004	Clay Basin Gas Storage

Note to file: These entity numbers
were changed to compliment the
operator correction from 3/7/98